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ACTION

Department of Energy

2003 FEB -5 P 2: 34

ROCKY FLATS FIELD OFFICE
10808 HIGHWAY 93, UNIT A
GOLDEN, COLORADO 80403-8200CORRESPONDENCE
CONTROL

FEB 05 2003

03-DOE-00102

DIST.	LTR	ENC
BERARDINI, J. H.	X	
BOGNAR, E. S.	X	
CROCKETT, G. A.		
DECK, C. A.	X	
DEGENHART, K. R.		
DIETER, T. J.		
DIETERLE, S. E.		
FERRERA, D. W.	X	
FERRI, M. S.		
GERMAIN, A. L.		
GIACOMINI, J. J.		
ISOM, J. H.		
LINDSAY, D. C.	X	
LONG, J. W.		
LYLE, J. L.		
MARTINEZ, L. A.	X	
NAGEL, R. E.	X	
NORTH, K.		
PARKER, A. M.	X	
POWERS, K. P.		
RODGERS, A. D.		
SHELTON, D. C.	X	
SPEARS, M. S.		
TRICE, K. D.		
TUOR, N. R.	X	
WILLIAMS, J. L.		
FRIBATH, C.	X	
PARSONS, D.	X	
NESTA, S.	X	
BROOKS, L.	X	

Mr. Steven H. Gunderson
Rocky Flats Cleanup Agreement Project Coordinator
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, Colorado 80246-1530

Dear Mr. Gunderson:

This letter documents the results of the follow-up investigation to find beryllium in samples taken in Building 449A and the post-decontamination beryllium samples taken in Building 453. This information is provided in response to the James Hindman request.

Eleven additional beryllium samples were collected on the overhead structures inside Building 449A, all samples results were less than the Pre-Demolition Survey Plan (PDSP) unrestricted release criteria (0.2 ug/100cm²) as well as less than the PDSP investigation criteria (0.1 ug/100cm²). Refer to the enclosed Building 449A sample results table and sample map for the results of the additional samples.

Elevated beryllium was identified in the Reconnaissance Level Characterization Report (RLCR) inside Building 453 on the rollup door and the west wall. These areas were decontaminated and post-decontamination samples were obtained, the sample results showed 5 of 20 locations with activity between 0.1 - 0.2 ug/100cm², but no activity above 0.2 ug/100cm². The area was again decontaminated and post-decontamination samples were obtained, the sample results showed 2 of 15 locations with activity between 0.1 - 0.2 ug/100cm², and one sample above 0.2 ug/100cm² (0.25 ug/100cm²). The area was decontaminated a third time and post-decontamination samples were obtained, all 15 sample results were less than 0.1 ug/100cm².

The decon methods used in Building 453 are described below:

First Decon

The first decon method involved the following:

- Mopping and wet wiping the floor.
- Wet wiping north rollup door lip.
- Decon personnel worked under an approved Beryllium Work Form and craft work package.
- Appropriate Personal Protective Equipment (PPE) and air monitoring was performed during the decon work.

Reviewed for Addressee
Corres. Control RFP2/5/03
DateBy *leg*

Ref. Ltr. #

DOE ORDER #
NONEDOCUMENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION OFFICEADMIN RECORD
B444-A-000038

Second Decon

The second decon method involved the following:

- Vacuuming loose debris from floor.
- Wet wiped contaminated areas with mariko and kimwipes. These areas were wiped 2-3 times.
- Wet mopped the remaining floor area within the building with a new mop.
- Wet wiped the north rollup door lip.
- Decon personnel worked under an approved Beryllium Work Form and craft work package
- Appropriate PPE and air monitoring was performed during the decon work

Third Decon

The third decon method involved the following:

- Wet wiped floor with mariko and kimwipes. The floor was wiped 3 times.
- Vacuumed and wet wiped overhead surfaces with mariko and kimwipes. These surfaces were wiped 2 times.
- Decon personnel worked under an approved Beryllium Work Form and craft work package.
- Appropriate PPE and air monitoring was performed during the decon work.

Based on the third post-decon smear results, Building 453 is now below PDSP unrestricted release criteria for beryllium, as well as all other contaminants of concern as documented in the Building 453 RLCR. Refer to the enclosed Building 453 sample results table and sample maps for the post-decontamination beryllium sample results. Since Buildings 449A and 453 meet all PDSP Data Quality Objectives and unrestricted release criteria for all contaminants of concern, these buildings are ready for demolition or sale.

Sincerely,



Richard J. DiSalvo
Acting Assistant Manager
for Environment and Stewardship

Enclosure

cc w/o Encl:

S. Tower, AMP, RFFO
C. Freiboth, K-H RISS
D. Parsons, K-H RISS
S. Nesta, K-H RISS
T. Rehder, USEPA

cc w/Encl:

Administrative Record

2/2

Additional B449A and B453 Beryllium Data Summary Results

Sample Number	Map Survey Point Location	Sample Location	Result (ug/100 cm ²)
Building 449A			
449A-01082003-603-001	001	B449A Main Room Attic - On rafter above entrance hatch	<0.1
449A-01082003-603-002	002	B449A Main Room Attic - on electrical box in overhead	<0.1
449A-01082003-603-003	003	B449A Main Room Attic - on angled rafter	<0.1
449A-01082003-603-004	004	B449A Main Room Attic - on horizontal rafter	<0.1
449A-01082003-603-005	005	B449A Main Room Attic - on light cover	<0.1
449A-01082003-603-006	006	B449A Main Room Attic - on light cover	<0.1
449A-01082003-603-007	007	B449A Main Room Attic - on angled rafter	<0.1
449A-01082003-603-008	008	B449A Main Room Attic - on horizontal rafter	<0.1
449A-01082003-603-009	009	B449A Main Room Attic - on light cover	<0.1
449A-01082003-603-010	010	B449A Main Room Attic - on horizontal rafter	<0.1
449A-01082003-603-011	011	B449A Main Room Attic - on electrical box in overhead	<0.1
449A-01082003-603-012	012	Blank	<0.1
449A-01082003-603-013	013	Blank	<0.1
B453 Post-Decontamination #1			
453-11132002-213-299	299	Blank	<0.1
453-11132002-213-300	300	Blank	<0.1
453-11132002-213-301	301	B453 - SW floor	0.11
453-11132002-213-302	302	B453 - SW floor	0.14
453-11132002-213-303	303	B453 - NW floor	<0.1
453-11132002-213-304	304	B453 - NW floor	0.12
453-11132002-213-305	305	B453 - NE floor	0.14
453-11132002-213-306	306	B453 - NE floor	<0.1
453-11132002-213-307	307	B453 - SE floor	<0.1
453-11132002-213-308	308	B453 - SE floor	<0.1
453-11132002-213-309	309	B453 - on SE electrical box (#1 north)	<0.1
453-11132002-213-310	310	B453 - on SE electrical box (#2 middle)	<0.1
453-11132002-213-311	311	B453 - on lip of South garage door	<0.1
453-11132002-213-312	312	B453 - on lip of North garage door	0.12
453-11132002-213-313	313	B453 - on floor East door	<0.1
453-11132002-213-314	314	B453 - fire extinguisher on East wall	<0.1
453-11132002-213-315	315	B453 - on S garage door and ribs	<0.1
453-11132002-213-316	316	B453 - on N garage door and ribs	<0.1
453-11132002-213-317	317	B453 - on SE electrical box	<0.1
453-11132002-213-318	318	B453 - middle N floor	<0.1
453-11132002-213-319	319	B453 - middle S floor	<0.1
453-11132002-213-320	320	B453 - floor area of previous Be contamination	<0.1
B453 Post-Decontamination #2			
453-11212002-213-291	291	B453 - S door on motor/electrical box	<0.1

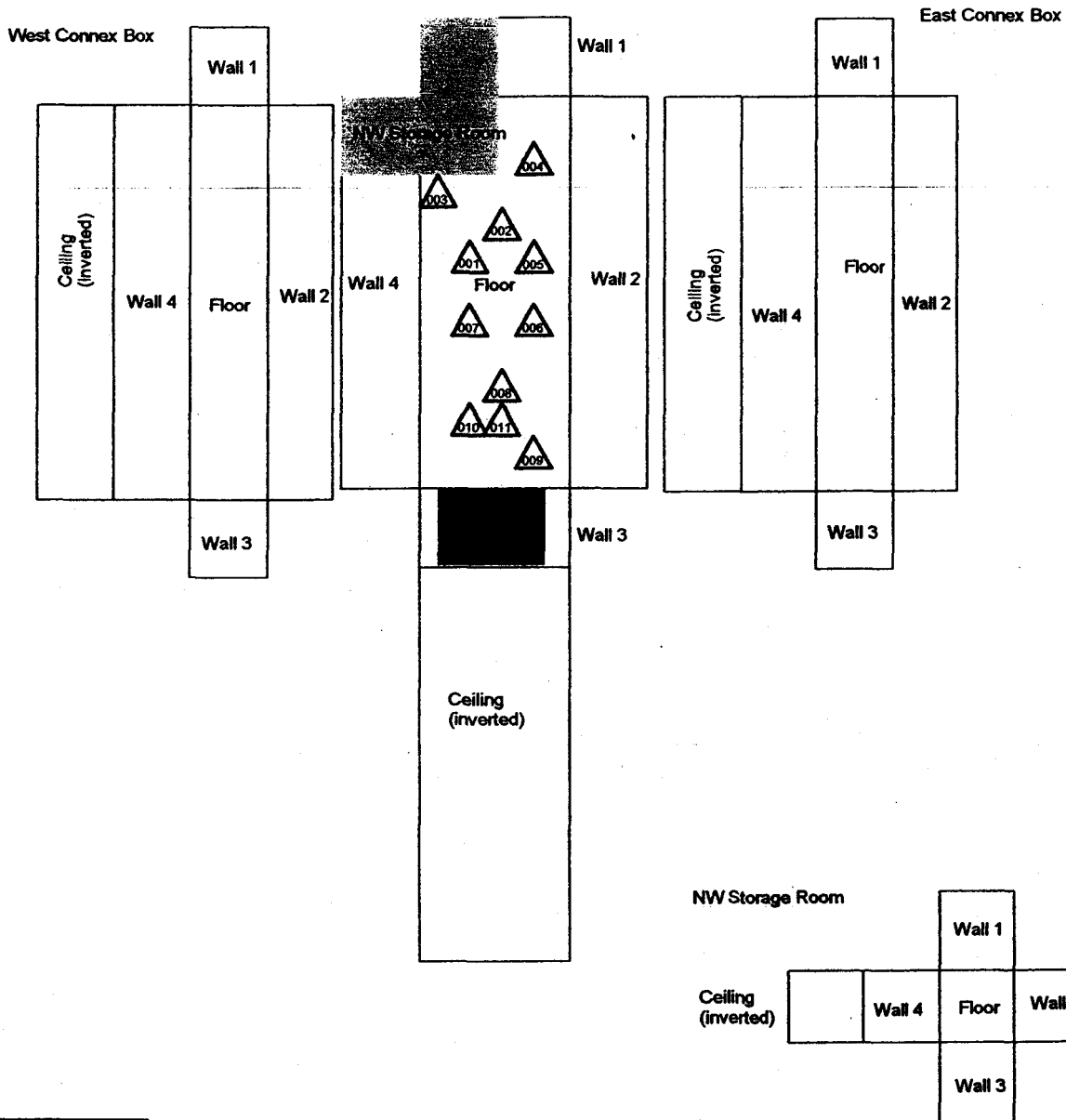
Sample Number	Map Survey Point Location	Sample Location	Result ($\mu\text{g}/100\text{ cm}^2$)
453-11212002-213-292	292	B453 - S door on motor/electrical box	<0.1
453-11212002-213-293	293	B453 - S door on top of rollup, west side	<0.1
453-11212002-213-294	294	B453 - S door on top of rollup, east side	0.14
453-11212002-213-295	295	B453 - inside of ceiling mounted heater	<0.1
453-11212002-213-296	296	B453 - N door on motor/electrical box	<0.1
453-11212002-213-297	297	B453 - N door on motor/electrical box	0.13
453-11212002-213-298	298	B453 - S door on top of rollup, east side	<0.1
453-11212002-213-299	299	B453 - S door on top of rollup, west side	<0.1
453-11212002-213-300	300	B453 - SW floor	<0.1
453-11212002-213-301	301	B453 - W floor	<0.1
453-11212002-213-302	302	B453 - NW center floor	<0.1
453-11212002-213-303	303	B453 - N door, bottom lip	<0.1
453-11212002-213-304	304	B453 - NE floor, near door way	0.25
453-11212002-213-305	305	B453 - NW floor, corner	<0.1
453-11212002-213-306	306	Blank	<0.1
453-11212002-213-307	307	Blank	<0.1
B453 Post-Decontamination #3			
453-12172002-603-101	101	B453 - NE floor, by door way	<0.1
453-12172002-603-102	102	B453 - NE floor, by door way	<0.1
453-12172002-603-103	103	B453 - NE floor, by door way	<0.1
453-12172002-603-104	104	B453 - NE floor, by door way	<0.1
453-12172002-603-105	105	B453 - NE floor, by door way	<0.1
453-12172002-603-106	106	B453 - NE floor, by door way	<0.1
453-12172002-603-107	107	B453 - N end, on overhead motor/electrical box	<0.1
453-12172002-603-108	108	B453 - N end, on overhead motor/electrical box	<0.1
453-12172002-603-109	109	B453 - N floor, underneath decon motor	<0.1
453-12172002-603-110	110	B453 - N floor, underneath decon motor	<0.1
453-12172002-603-111	111	B453 - SW rollup door, top	<0.1
453-12172002-603-112	112	B453 - SW rollup door, top	<0.1
453-12172002-603-113	113	B453 - SW rollup door, top	<0.1
453-12172002-603-114	114	B453 - SW rollup door, top	<0.1
453-12172002-603-115	115	B453 - SW rollup door, top	<0.1
453-12172002-603-116	116	B453 - SW rollup door, top	<0.1

ADDITIONAL OVERHEAD BERYLLIUM SAMPLES

Building: 449A Interior

PAGE 1 OF 2

449A Interior



Sample Numbers

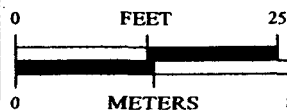
449A-01082002-603-001 thru 011

SURVEY MAP LEGEND

- Asbestos Sample Location
- Beryllium Sample Location
- Lead Sample Location
- RCRA/CERCLA Sample Location
- PCB Sample Location

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- Open/Inaccessible Area
- Area in Another Survey Unit



1 inch = 18 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

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Prepared for:

DynCorp

THE ART OF TECHNOLOGY

MAP ID: 02-0222/449A-OHBE

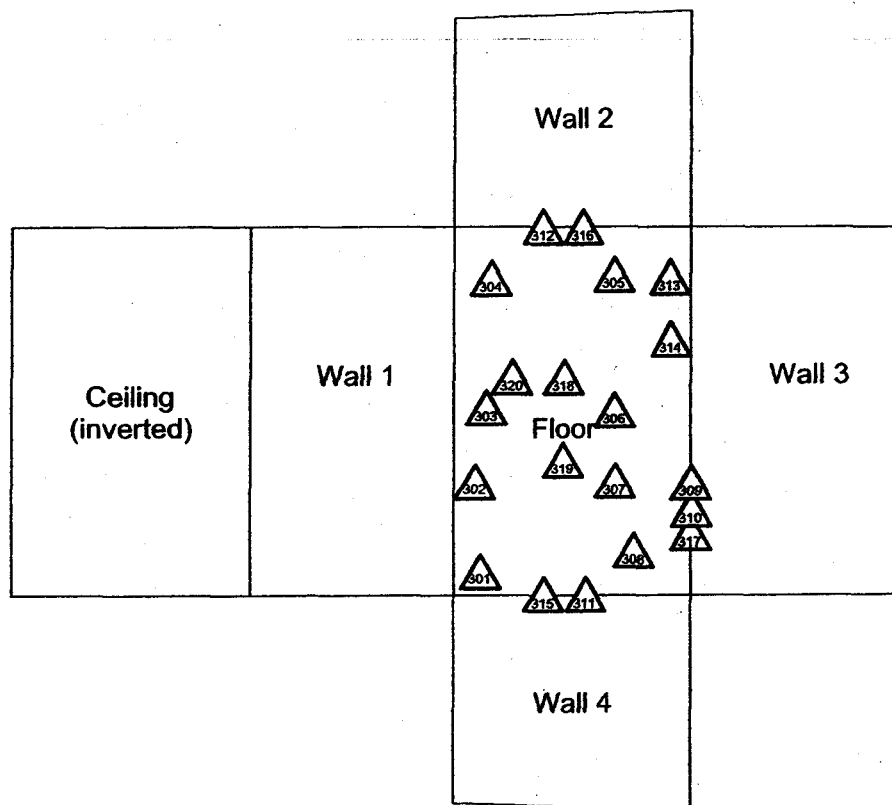
January 15, 2003

POST DECONTAMINATION #1

Building: 453 Interior

PAGE 1 OF 1

B453 Interior



Sample Numbers

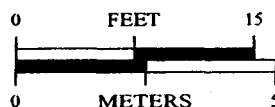
453-11132002-213-299 thru 320
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SURVEY MAP LEGEND

- Asbestos Sample Location
- Beryllium Sample Location
- Lead Sample Location
- RCRA/CERCLA Sample Location
- PCB Sample Location

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1 inch = 12 feet 1 grid sq. = 1 sq. m.

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Prepared for:

DynCorp

THE ART OF TECHNOLOGY

MAP ID: 02-0222/453-PSDCN1

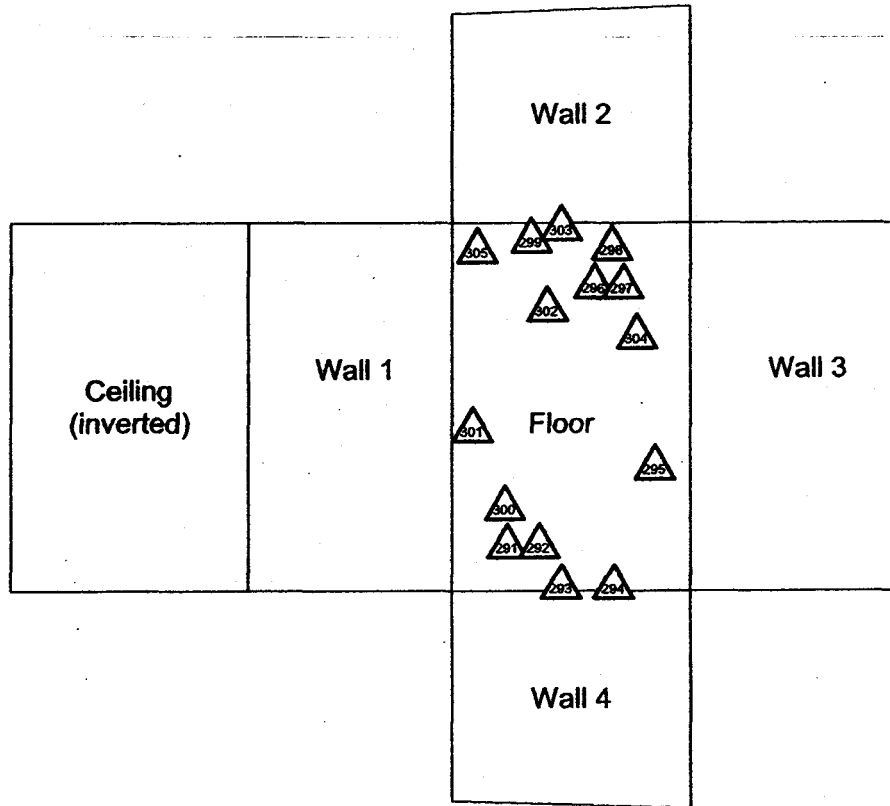
January 15, 2003

POST DECONTAMINATION #2

Building: 453 Interior

PAGE 1 OF 1

B453 Interior



Sample Numbers

453-11212002-213-291 thru 307
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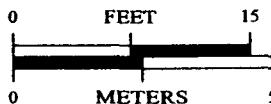
SURVEY MAP LEGEND

- ⊙ Asbestos Sample Location
- ▲ Beryllium Sample Location
- Lead Sample Location
- ◇ RCRA/CERCLA Sample Location
- ⊙ PCB Sample Location

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MAP ID: 02-0222/453-PSDCN2

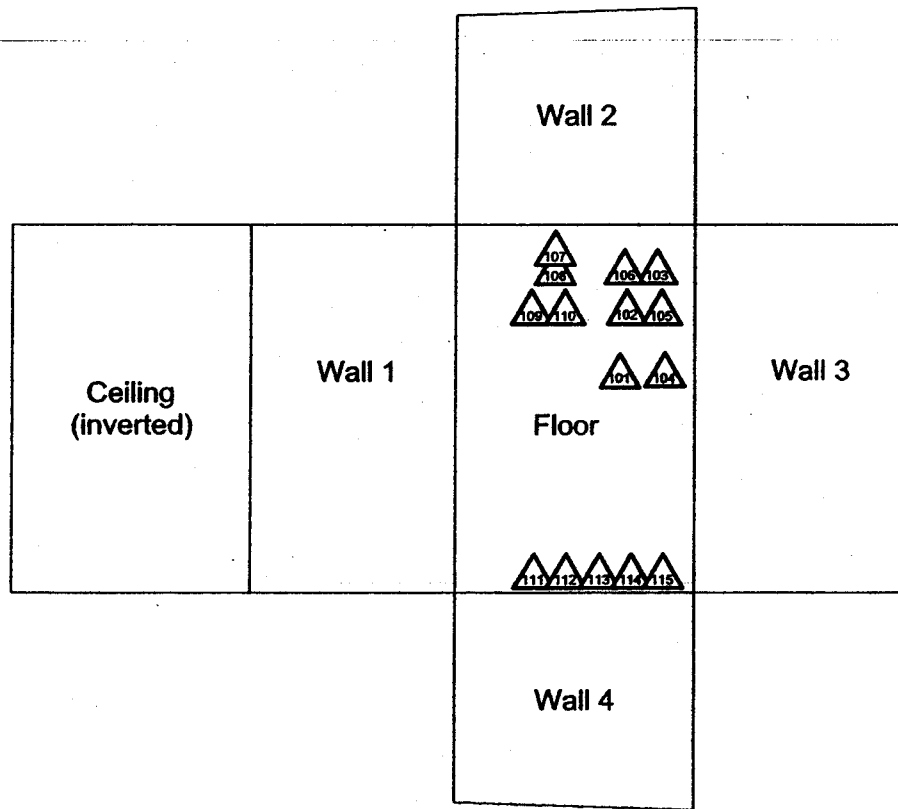
January 15, 2003

POST DECONTAMINATION #3

Building: 453 Interior

PAGE 1 OF 1

B453 Interior



Sample Numbers

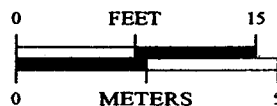
453-12172002-603-101 thru 115

SURVEY MAP LEGEND

- Asbestos Sample Location
- Beryllium Sample Location
- Lead Sample Location
- RCRA/CERCLA Sample Location
- PCB Sample Location

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- Open/Inaccessible Area
- Area in Another Survey Unit



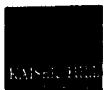
1 inch = 12 feet 1 grid sq. = 1 sq. m.

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